

ABSTRACT OF THE DISCLOSURE

Disclosed are guide apparatus for guiding an advancing continuous fiber bundle, a winding machine having the guide apparatus installed therein, a method for making a bobbin of a continuous fiber bundle, particularly that of carbon fibers, and a carbon fiber bobbin made by using the winding machine; and the guide apparatus comprises:

a pair of a first and a second guides disposed on the passage of the fiber bundle, axis lines of which guides are in a relation twisted away from each other in a space, and

a parallel guide disposed at the downstream side of the pair of the guides, axis line of which parallel guide is parallel to that of the bobbin,

the first guide being a flat or a conical guide, and the second guide being a conical guide.